

L Number	Hits	Search Text	DB	Time stamp
1	30267	428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 11:47
2	9838	(428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser") and carbon	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 11:47
3	416	((428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser") and carbon) and Va	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 11:48
4	6	((428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser") and carbon) and Va) and (Va same laser)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 11:49
5	0	((428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser") and carbon) and Va) and ("near IR" same laser)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 11:49
6	8	((428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser") and carbon) and ("near IR" same laser)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 11:53
7	2	428/694\$ and ("near IR" same laser)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 11:54
8	2	428/694\$ and ("near IR" with laser)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 12:35
9	493218	204/(192.2 or 192.3 or 192.35 or 192.34) and carbon and laser	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 12:42
10	87845	(204/(192.2 or 192.3 or 192.35 or 192.34) and carbon and laser) and magnetic	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 12:51
11	1889	((204/(192.2 or 192.3 or 192.35 or 192.34) and carbon and laser) and magnetic) and BUMP	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 12:51
12	378	((204/(192.2 or 192.3 or 192.35 or 192.34) and carbon and laser) and magnetic) and BUMP) and (IR or infrared)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 12:53
13	248191	427/("127" or "130" or "131") and ("near ir" or "near infrared")	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 12:55
14	1315689	427/("127" or "130" or "131")	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 12:56
15	1318314	(427/("127" or "130" or "131")) carbon and ("near ir" or "near infrared") and laser	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 13:26
16	16242	((427/("127" or "130" or "131")) carbon and ("near ir" or "near infrared") and laser) and bump	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 13:27
17	1173259	264/("400" or "497")	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 13:28

18	37	(264/("400" or "497")) and carbon and ("near ir" or "near infrared") and laser and bump	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 13:29
19	13	((428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$ and "near Infrared laser") and carbon) and carbon and ("near ir" or "near infrared") and laser and bump	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/13 13:29
-	113263	(428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/28 13:38
-	3	"6299947" or "6483666"	USPAT	2004/04/28 12:16
-	901	"13" and sputter\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/28 12:17
-	3	("6299947" or "6483666") and sputter\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/04/28 13:29
-	0	(428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/28 13:38
-	75130	428/694\$ or 428/64.\$ or 428/65.\$ or 427/12\$ or 427/130 or 427/131 or 360/\$	USPAT	2004/04/28 13:39
-	3	("6299947" or "6483666") and (bump with laser)	USPAT; US-PGPUB	2004/04/28 14:10
-	278	(360/\$ or 369/\$) and (bump with laser)	USPAT; US-PGPUB	2004/04/28 14:17
-	38	((360/\$ or 369/\$) and (bump with laser)) and (laser same (IR or infrared))	USPAT; US-PGPUB	2004/04/28 14:22
-	9	((360/\$ or 369/\$) and (bump with laser)) and (laser same (IR or infrared))) and (carbon same laser)	USPAT; US-PGPUB	2004/04/28 14:41
-	0	"09947287"	US-PGPUB	2004/04/28 14:41
-	1	"09/947287"	US-PGPUB	2004/04/28 14:42
-	2	"6669986"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/05 15:10
-	2	"20020192502"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/05 15:17
-	1	"6483666"	USPAT	2004/05/12 14:15
-	2	"6299947"	USPAT	2004/05/12 14:16
-	56	264/428	USPAT	2004/05/12 14:39
-	16	264/428 and carbon	USPAT	2004/05/12 14:39
-	19	264/428 and carbon	USPAT; US-PGPUB; EPO; JPO	2004/05/12 14:43
-	91	264/482 and carbon	USPAT; US-PGPUB; EPO; JPO	2004/05/12 15:14
-	3802	427/130	USPAT; US-PGPUB; EPO; JPO	2004/05/12 15:15
-	257	427/130 and laser	USPAT; US-PGPUB; EPO; JPO	2004/05/12 15:15
-	117	(427/130 and laser) and carbon	USPAT; US-PGPUB; EPO; JPO	2004/05/12 15:15
-	16	((427/130 and laser) and carbon) and bump	USPAT; US-PGPUB; EPO; JPO	2004/05/12 15:39

-	469511	204/(192.2 or 192.3 or 192.34 or 192.35)	USPAT; US-PGPUB; EPO; JPO	2004/05/12 15:40
-	50463	(204/(192.2 or 192.3 or 192.34 or 192.35)) and laser	USPAT; US-PGPUB; EPO; JPO	2004/05/12 15:40
-	11714	((204/(192.2 or 192.3 or 192.34 or 192.35)) and laser) and carbon	USPAT; US-PGPUB; EPO; JPO	2004/05/12 15:41
-	332	((204/(192.2 or 192.3 or 192.34 or 192.35)) and laser) and carbon) and bump	USPAT; US-PGPUB; EPO; JPO	2004/05/12 15:41
-	196	((204/(192.2 or 192.3 or 192.34 or 192.35)) and laser) and carbon) and bump) and magnetic	USPAT; US-PGPUB; EPO; JPO	2004/05/12 15:41
-	97	((204/(192.2 or 192.3 or 192.34 or 192.35)) and laser) and carbon) and bump) and magnetic) and (medium or media)	USPAT; US-PGPUB; EPO; JPO	2004/05/12 15:43

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creating this digital archive. Professor Friedlaender was one of the founders of the IEEE Magnetics Group, later IEEE Magnetics Society. He served on its first Administrative Committee and as one of the first Assistant Editors of the Transactions. Professor Friedlaender is a Fellow of the IEEE.

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Dictionary Terms

► **near-infrared radiation** [ELECTROMAGNETISM] Infrared radiation having a relatively short wavelength, between 0.75 and about 2.5 micrometers (some scientists place the upper limit from 1.5 to 3 micrometers), at which radiation can be detected by photoelectric cells, and which corresponds in frequency range to the lower electronic energy levels of molecules and semiconductors. Also known as photoelectric infrared radiation.
 { 'nir-in-fra-red-rād-ē-shən' }

Relevance Score: **0.08**

► **near-infrared spectrophotometry** [ANALYTICAL CHEMISTRY] Spectrophotometry at wavelengths in the near-infrared region, generally using instruments with quartz prisms in the monochromators and lead sulfide photoconductor cells as detectors to observe absorption bands which are harmonics of bands at longer wavelengths.
 { 'nir-in-fra-red-spek-trō-fə-täm-ə-trē' }

Relevance Score: **0.08**

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